

Product datasheet for MR205358

Acox1 (BC048717) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acox1 (BC048717) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acox1
Synonyms:	1200014P05Rik; AV025673
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205358 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGATAGCCATCCGCTACAGCCACAGCCGAAGGCAATTTGGGCCAAGGACAAGGAAGAAGTGAAGATCA
TTGAGCACAAATGCAGGCACTCAGGCTGATGTCTCACCTGGCCACAGCCTGGCCGTGACCTTCACAAG
CAGGCATGCAGACGACATCCTGGATGAAGACATCTCCAGGGAAGGGCGCTCACCAACAGTCGCTCGCTA
CAGGCACTGATGGCTGGACTGAAAGCCTACAGTACATGGGAGACTGTTAGCTGCCTACAGGACTGTCGTG
AATGCACCGGAGGCATGGTTACATGATGGAACCCAGAATCTCAGACCTGAAATGTGACACAGATGTGTT
TGTAACCTTTGAAGGTGACAATGTGGTCATGCTTCAGGTTGTGGCCCGGAACTGCTGGCCAGTACAGC
AAGCAGCATAAGAAAACTGCTCTTGGGTGTGATCCAGAATGGACAGCAACTGCCGGGACAAGCTGA
GAACCAAGTTTCTGGCGTTAACTGACACGGTAGGATGTCTTGCCTTCTGCTGAAAGCAGTGAATTT
TCGAGAAAGGGTTCTTCAGCGGAGTTTGGTGTCCAGAATTTACTATAAGGTGGTGACCAAGAAGGGGGAC
TTCTTCAGTGCCTGGAATCCTGTATGCACCATGTACCTCATTGTCTTGGCACACATTCACAGAGTTG
CACTAGACAGTTACGACGGCAGTGAGGCAATGTCCAACAGGGAGGACCAGGCTTTGCTAATGAAGTT
TTGTCTGCTGTATGGAACGAAGCTGGTGTCCAGGAGCGAGGCTGGTACTTAGAACATAAATACCTGACC
CCAAGGCCAGCATGCTGATCAGGGCTCAGTTGCTGAATTTGTGCGAGTCCGTGAAGGATGACGCCCTGA
AGGTGATCTCTGCCTTCAACATTCCACACATCACCATCCGTGCACCAAAAACAGGAATCCCCAACCCCGG
GGCTGCCGAGGCCGCTACCCGGCACCCATGCAACCGCTCGTGCGGGATGCGGCGCGCTCAACTGGCC
AAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205358 protein sequence
 Red=Cloning site Green=Tags(s)

MIAIRYSHSRRQFGPKDKEEVKIIIEHQMALRLMSHLATALAVTFTSRHADDILDEIDIFQGRALTNSRSL
 QALMAGLKAYSTWETVSLQDCRECTGGMGYMMETRISDLKCDTDVFTFEGDNVVMLQVVARELLAQYS
 KOHKKNLLLGVIONWTATAGDKLRTSFLAFNTDTVGCLAFLLKAVNFRERVLQRSLVSRIYKVVTKKGD
 FFSAWNSCMHVTSLSLAHIHRVALEQFTTAVRQCPNREDQALLMKFCLLYGTKLVFQERGWYLEHKYLT
 PKASMLIRAQLLNLCESVKDDALKVISAFNIPHITIRAPKTGIPNPGAAEAYPAPMQPLVRDAARAQLA
 KL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC048717

ORF Size: 1056 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC048717](#), [AAH48717](#)

RefSeq Size: 1582 bp

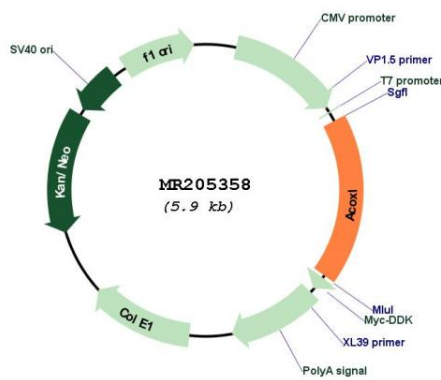
RefSeq ORF: 1058 bp

Locus ID: 74121

Cytogenetics: 2 F1

MW: 39.8 kDa

Product images:



Circular map for MR205358